Jun Li's Notebook

07/11/16

Work finished:

1. Complete the division of labor within the group, clear the respective tasks in recent days.
2. Re familiar with the JSP to develop software as a tool.
3. Familiar with Huffman encoding, because it may be used in compression file.

Problem unsolved:

1. Understand the mathematical model and to obtain a stable solution.

07/12/16

Work finished:

1. Start using JSP to make some small pages, as a preparation for the following steps.
2. Query compression of the related open source software, to solve the optimization problem.

Problem unsolved:

1. How to upload files to the background for processing is not clear.
2. Matrix exponential operation.

07/13/16

Work finished:

1. Continue to learn JSP, for the beautify the front-end.

Problem unsolved:

1. How to optimize the loading speed of the web page.
2. For beautifying front-end page, it needs the use of CSS and JSP based on HTML.

07/14/16

Work finished:

1. Complete the initial interface design.
2. Begin to turn into the background compression algorithm.

Problem unsolved:

1. Improve the compression efficiency.

07/15/16

Work finished:

1. Begin to optimize the compression algorithm.
2. Modify the code based on the GitHub open source code.

Problem unsolved:

1. Modify the project on the GitHub, then establish quanternary, converse the DNA sequence.
2. Use three hex, the follow-up will continue to discuss.

07/16/16

Work finished:

1. Improve the front-end design of front-end.
2. Debug and modify the source code.

Problem unsolved:
1. Redesign the web page, replaced with a single page.
2. Complete algorithm call and design API for program call.

07/18/16

Work finished:
1. Find a visual tool to design web page.
2. Continue to understand Finite State Entrop algorithm to make perfect call.

Problem unsolved:
1. Succeed to run Finite State Entrop algorithm, but need to debug.
2. Consider the frame of page.

07/19/16

Work finished:
1. Use another compression algorithm, LZ4 algorithm, and summery data structure.
2. Try to packing algorithm.

Problem unsolved:
1. Find the advantages of visual tool, so we need to code by ourselves.
2. Fail to run those algorithms using VS.

07/20/16

Work finished:
1. Make a simple PPT to share the algorithm structure and principle.
2. Rewrite web front-end.

Problem unsolved:
1. Perfect the web front-end, make a standard style for all soft wares.

07/21/16

Work finished:
1. Try to run algorithm using CodeBlocks, but fail.
2. Make paging.

Problem unsolved:
1. Continue to study algorithm.

07/22/16

Work finished:
1. Identify the frame of front-end.
2. Realize some animation and color changing using CSS and JS to get a perfect interface.

Problem unsolved:
1. Identify and perfect the web.
2. Divide the work.

NOTEBOOK

07/25/16

Work finished:

1. Modify the style of web page to be consistent with wiki.
2. Optimize the web page details, such as adding the transformation tips and pop-up reminders, etc.

Problem unsolved:

1. There are some bugs with compression algorithm.

07/26/16

Work finished:

1. Identify the interface of web page.
2. According to the style of wiki, modify the Bio101 and add functions.

Problem unsolved:

1. Optimize the compression algorithm.

07/27/16

Work finished:

1. Add some parts together and use custom method to modify style.
2. Start to write documentation about how to use the software.

Problem unsolved:

None.

07/28/16

Work finished:

1. Add the download button using pop-up.
2. Write the instructions.
3. Scan the similar projects.

Problem unsolved:

None.

07/29/16

Work finished:

1. Continue to scan the similar projects.
2. Learn JavaScript to simplify the web page and improve the load speed.

Problem unsolved:

None.

08/01/16

Work finished:

1. Improve the background resolution of the web page.
2. Connect the front-end and back-end.
3. Try the combination of different colors.

Problem unsolved:

None.

NOTEBOOK

08/02/16

Work finished:

1. Modify the web page.
2. Find the examples for testing.

Problem unsolved:
None.

08/03/16

Work finished:

1. Modify the web page including character style and color.
2. Prepare for upload Bio101 V1.0.

Problem unsolved:
None.